

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Nobori et al., Tsutomu

5 (ii) TITLE OF INVENTION: METHOD FOR DETECTION OF
METHYLTHIOADENOSINE PHOSPHORYLASE DEFICIENCY IN MAMMALIAN
CELLS

(iii) NUMBER OF SEQUENCES: 1

(iv) CORRESPONDENCE ADDRESS:

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15 (E) COUNTRY: U.S.A.
(F) ZIP: 92037

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
20 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US
(B) FILING DATE:
(C) CLASSIFICATION:

25 (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/459,343
(B) FILING DATE: 02-JUN-1995

(vii) PRIOR APPLICATION DATA:

30 (A) APPLICATION NUMBER: US 08/176,855
(B) FILING DATE: 29-DEC-1993

(viii) ATTORNEY/AGENT INFORMATION:

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(C) REFERENCE/DOCKET NUMBER: 07340/050001

(ix) TELECOMMUNICATION INFORMATION:

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(2) INFORMATION FOR SEQ ID NO:1:

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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 3083 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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CCTGGTCTCG CACTGCTGAC TCCCGCGCAG TGAGGTTGGC ACAGCCACCG CTCTGTGGCT 60
CGCTTGGTTC CCTTAGTCCC GAGCGCTCGC CCACTGCAGA TTCCTTTCCC GTGCAGACAT 120
GGCCTCTGGC ACCACCACTA CCGCCGTGAA GGTGAGATGA GCCCTCCCAG CCGCAGCGGT 180
TCGCCTGCCG GATGCCTTCN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 240
NNNNNNNNNN CCTTCAAATG TTTGTTGATT TTTATGGAAG GCTTTGAAAT ATTTGTTGAT 300
TGATGTTTCA TAATTTTTCAG ATTTCAAAAA AATAACTAGG GCTTGGCAGG AATGGAGAAG 360
AGCATATGAA TAAATGAATT TGCTTAGAAT CTTATTTCTA ATAAAAATTA CCAAATACAA 420
TAATCTTATA TGTCTTTTTC TGCTCTTAGA TTGGAATAAT TGGTGGAACA GGCCTGGATG 480
ATCCAGAAAT TTTAGAAGGA AGAACTGAAA AATATGTGGA TACTCCATTT GGCAAGGTTA 540
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TATAATTTAC ATACCTGTTT TTAAATCAC TGAGTTAAAT GTCATTTTTT TCATTGCATG 720
CAGCCATCTG ATGCCTTAAT TTTGGGGAAG ATAAAAAATG TTGATTGCGT CCTCCTTGCA 780
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5 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 1200

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GTGTACCAGA ATAAATCATG TGGGCTTGGG GTGGCATCTG GCATTTGGTT AATTGGCAGA 1560

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ATTCCTGTT GCTAATAATT TNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 1680

NNNNNNNNNN NNNNNNNNNN AAGTGCAGCC TTAAGTTGTG CATGTGCTAG TATGTTTTGA 1740

15 AGTTTCTGGT TTTTCTTTTC TAGGTTCTTA TAGAGACTGC TAAGAAGCTA GGA CTCCGGT 1800

GCCACTCAA GGGGAQAATG GTCACAATCG AGGGACCTCG TTTTAGCTCC CGGGCAGAAA 1860

GCTTCATGTT CCGCACCTGG GGGGCGGATG TTATCAACAT GACCACAGTT CCAGAGGTGG 1920

TTCTTGCTAA GGAGGCTGGA ATTTGTTACG CAAGTATCGC CATGGGCACA GATTATGACT 1980

GCTGGAAGGA GCACGAGGAA GCAGTAGGTG GAATTCCTTT CTAAGCACAT ATAGCATGGG 2040

20 TTTCTGGGTG CCAATAGGGT GTCTTAACTG TTTGTTTCTA TTACGTTAGT TTCAGAAAGT 2100

GCCTTTCTAC AAGGTTTGA AGTTGTTAAT ATTTTCTGTA GTTCCATTGG AAGGTAAGAA 2160

CAAAGATCAA AAGAAAGAAA GAGACACTTT TACCCAAGGA TCAGTAGTGA AAATAGTACA 2220

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NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 2340

NNNNNNNNNN GAGCTCCGAA AAATGTTTTA TGACTAGCAG TGAATTTTA AGTTCTAGTA 2400

ACCTCCAGTG CTATTGTTTC TCTAGGTTTC GGTGGACCGG GTCTTAAAGA CCCTGAAAGA 2460

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5 ATGGTCAGAA ACCCTCCATA ACCTGAAGGT AAGTGTGAGC CATGGACAAC CAGGCATGTC 2580

TGGAGACTCT CTATTGTCTT CTCTCTCAC TAGCATCACA CCCGGGGGTC CTCATGTATT 2640

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GTGTAAAGAA AGACAAGACA TTTGTGTGTA TTAGAGACTC CTGAATGATT TAGACAACTT 3060

CAAAATACAG AAGAAAAGCA AAA 3083